

IN THE CLAIMS

Please cancel claims 2, 9 and 11 without prejudice or disclaimer, amend claims 1, 3 thru 8, 10 and 12 thru 14, and add claim 15, as follows:

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1. (Currently Amended) In an apparatus for controlling ~~[[copy]]~~ copying of content embodied in a video signal, the apparatus comprising a video signal processor for separating a composite synchronizing signal from a content containing input video signal to be recorded, and for performing at least one of modulating ~~[[or]]~~ and demodulating the video signal, *the improvement comprising:*

6 [[a]] first means for receiving the composite synchronizing signal and for detecting therefrom a copy-preventing signal; and

8 [[a]] second means for generating a recording-prevention control signal ~~adapted~~ to stop a recording of the content ~~embodied~~ contained in the video signal~~[[,]]~~ when [[a]] the copy-preventing signal is detected by the first means.

11 wherein the first means comprises:

12 a pulse generator for generating a masking pulse in a predetermined interval of the
13 composite synchronizing signal in which the copy-preventing signal is contained;

14 a first gate for providing as an output signal the composite synchronizing signal in
15 the predetermined interval in which the masking pulse is generated;

16 an integrator for integrating the output signal from the first gate and for providing
17 as an output an integrated signal, said integrated signal having an output level; and

18 a comparator for comparing the output level of the integrated signal with a
19 predetermined threshold value to determine whether the copy-preventing signal is present
20 in the video signal.

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Claim 2. (Canceled)

1 3. (Currently Amended) ~~[[The]]~~ In the apparatus of claim ~~[[2]]~~ 1, wherein the
2 first ~~gating~~ means includes a second ~~gating means~~ gate for removing a horizontal
3 synchronizing signal from the composite synchronizing signal in the predetermined
4 interval in which the masking pulse is generated.

1 4. (Currently Amended) ~~[[The]]~~ In an apparatus ~~of claim 1;~~ for controlling
2 copying of content embodied in a video signal, the apparatus comprising a video signal
3 processor for separating a composite synchronizing signal from a content containing
4 input video signal to be recorded, and for performing at least one of modulating and
5 demodulating the video signal, the improvement comprising:

6 first means for receiving the composite synchronizing signal and for detecting
7 therefrom a copy-preventing signal; and

8 second means for generating a recording-prevention control signal to stop a
9 recording of the content contained in the video signal when the copy-preventing signal is
10 detected by the first means;

11 wherein the first means comprises a ~~[[means]]~~ detector for indicating detection of
12 a copy-preventing signal~~[[,]]~~ when a pulse count value in ~~[[a]]~~ the predetermined interval
13 of the composite synchronizing signal is ~~equal to or greater~~ not less than a predetermined
14 threshold value.

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5. (Currently Amended) ~~[[The]]~~ In the apparatus of claim 1, wherein the second
2 means ~~also further~~ comprises a ~~means for causing a~~ display ~~[[of]]~~ unit for displaying
3 information that the content contained in the video signal ~~to be copied~~ is copy-
4 protected~~[[,]]~~ when ~~[[a]]~~ the copy-preventing signal is detected by the first means.

1 6. (Currently Amended) In a method for controlling ~~[[copy]]~~ copying of content
2 embodied in a video signal, the method comprising the steps of separating a composite
3 synchronizing signal from a content containing video signal to be recorded, and ~~[[of]]~~
4 performing at least one of modulating ~~[[or]]~~ and demodulating the video signal, the
5 improvement comprising the further steps of:

- 6 (1) determining whether a copy command has been input;
- 7 (2) comparing a time T_1 read from a timer with an initially set threshold value T_0
8 when it is determined in ~~the first~~ step (1) that ~~[[a]]~~ the copy command has been input;
- 9 (3) determining whether a copy-preventing signal is ~~prevent~~ present in the video
10 signal to be recorded when it is determined in ~~the second~~ step (2) that $T_1 \geq T_0$; and
- 11 (4) refraining from copying the content embodied in the video signal when it is

12 determined in ~~the third~~ step (3) that ~~[[a]]~~ the copy-preventing signal is present in the
13 video signal to be recorded.

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7. (Currently Amended) ~~[[The]]~~ In the method of claim 6, wherein ~~the fourth~~
(4) further comprises displaying information indicating that the content ~~[[of]]~~ embodied
in the video signal to be recorded is copy-protected.

1 8. (Currently Amended) ~~[[The]]~~ In the method of claim 6, wherein the threshold
2 value T_0 is set to a date on which aggressive protection of copyright becomes effective.

Claim 9. (Canceled)

1 10. (Currently Amended) In an apparatus for controlling ~~[[copy]]~~ copying of
2 content embodied in a video signal, said apparatus comprising a dual deck video cassette
3 recorder (VCR) having a reproducing deck VCR~~[[;]]~~, a recording deck VCR~~[[;]]~~, an FM
4 copy signal processor for performing automatic gain control and waveform equalization
5 without demodulating a video signal detected by a video head of the reproducing deck
6 VCR~~[[;]]~~, and a video signal processor for demodulating the video signal detected by the
7 video head of the reproducing deck VCR and for separating a composite synchronizing
8 signal from the demodulated video signal;
9 *the improvement comprising*

10 [[a]] first means for receiving the composite synchronizing signal, and for
11 detecting therefrom whether the composite synchronizing signal contains a copy-
12 preventing signal;

13 *Q15* [[a]] second means for generating a recording-prevention control signal when the
14 *Q15* first means detects that the composite synchronizing signal contains [[a]] the copy-
15 preventing signal; and

16 [[a]] third means for receiving the recording-prevention control signal and
17 ~~thereupon to cause responsive thereto for causing~~ the recording deck VCR not to record
18 the content [[of]] embodied in the video signal;

19 wherein the second means generates the recording-prevention control signal only
20 after a date on which aggressive protection of copyright becomes effective.

21 Claim 11. (Canceled)

22 12. (Currently Amended) [[The]] In the apparatus of claim 10, wherein the
23 second means comprises [[means]] a display unit for ~~causing display of~~ displaying the
24 information that [[a]] the copy-preventing signal has been detected[[,]] when [[a]] the
25 copy-preventing signal ~~has been~~ is detected.

1 13. (Currently Amended) In a process for manufacturing an apparatus for
2 controlling [[copy]] copying of content embodied in a video signal, the apparatus

3 comprising a video signal processor for separating a composite synchronizing signal from
4 a content containing [[input]] video signal to be recorded, and for performing at least one
5 of modulating [[or]] and demodulating the video signal, said process comprising the steps
6 of:

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7 (1) providing [[a]] first means for receiving the composite synchronizing signal
8 and for detecting therefrom a copy-preventing signal; and

9 (2) providing [[a]] second means for generating a recording-prevention control
10 signal adapted to stop a recording of the content embodied in the video signal[[,]] when
11 the copy- preventing signal is detected by the first means;

12 wherein the first means comprises a detector for indicating detection of the copy-
13 preventing signal when a pulse count value in a predetermined interval of the composite
14 synchronizing signal is not less than a predetermined threshold value.

1 14. (Currently Amended) In a process for manufacturing an apparatus for
2 controlling [[copy]] copying of content embodied in a video signal, said apparatus
3 comprising a dual deck video cassette recorder (VCR) having a reproducing deck
4 VCR[[;]], a recording deck VCR[[;]], an FM copy signal processor for performing
5 automatic gain control and waveform equalization without demodulating a video signal
6 detected by a video head of the reproducing deck VCR[[;]], and a video signal processor
7 for demodulating the video signal detected by the video head of the reproducing deck
8 VCR and for separating a composite synchronizing signal from the demodulated video

9 signal[[,]]; said process comprising the steps of:

10 (1) providing [[a]] first means for receiving the composite synchronizing signal
11 and for detecting therefrom whether the composite synchronizing signal contains a copy-
12 preventing signal;

13 (2) providing [[a]] second means for generating a recording-prevention control
14 signal when the first means detects that the composite synchronizing signal contains [[a]]
15 the copy-preventing signal; and

16 (3) providing [[a]] third means for receiving the recording-prevention control
17 signal and ~~thereupon to cause~~ responsive thereto for causing the recording deck VCR not
18 to record the content [[of]] embodied in the video signal;

19 wherein the second means generates the recording-prevention control signal only
20 after a date on which aggressive protection of copyright becomes effective.

1 15. (New) In a process for manufacturing an apparatus for controlling copying of
2 content embodied in a video signal, the apparatus comprising a video signal processor for
3 separating a composite synchronizing signal from a content containing video signal to be
4 recorded, and for performing at least one of modulating and demodulating the video
5 signal, said process comprising the steps of:

6 (1) providing first means for receiving the composite synchronizing signal and for
7 detecting therefrom a copy-preventing signal; and

8 (2) providing second means for generating a recording-prevention control signal

9 adapted to stop a recording of the content embodied in the video signal when the copy-
10 preventing signal is detected by the first means;

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12 16
13 wherein the first means comprises:

14 a pulse generator for generating a masking pulse in a predetermined interval of the
15 composite synchronizing signal in which the copy-preventing signal is contained;

16 a first gate for providing as an output signal the composite synchronizing signal in
17 the predetermined interval in which the masking pulse is generated;

18 an integrator for integrating the output signal from the first gate and for providing
19 as an output an integrated signal, said integrated signal having an output level; and

20 a comparator for comparing the output level of the integrated signal with a
predetermined threshold value to determine whether the copy-preventing signal is present
in the video signal.
